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L11 ANSWER 20 OF 41 CA COPYRIGHT 2008 ACS on STN
AN
    122:272330 CA
OREF 122:49545a,49548a
    Entered STN: 27 May 1995
ED
    High-flowability cement compositions
IN
    Hayakawa, Kazuhisa; Kobayashi, Kazuto
    Shinetsu Chemical Industry Co., Ltd., Japan
PΑ
SO
    Jpn. Kokai Tokkyo Koho, 8 pp.
    CODEN: JKXXAF
DΤ
    Patent
LA
    Japanese
IC
    ICM C04B028-02
    ICS C04B024-04; C04B024-22; C04B024-32; C04B024-38
    C04B028-02, C04B014-06, C04B016-02, C04B016-06, C04B024-38, C04B024-22,
    C04B024-32; C04B103-40
    58-1 (Cement, Concrete, and Related Building Materials)
FAN.CNT 1
                                           APPLICATION NO.
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    PATENT NO.
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                                           JP 1993-224922
                                                                   19930726
                               19950203
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    JP 07033502
    JP 3101788
                         B2
                               20001023
                               19930726
PRAI JP 1993-224922
CLASS
                CLASS PATENT FAMILY CLASSIFICATION CODES
PATENT NO.
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                ICM
                       C04B028-02
JP 07033502
                       C04B024-04; C04B024-22; C04B024-32; C04B024-38
                ICS
                        C04B028-02, C04B014-06, C04B016-02, C04B016-06,
                ICI
                        C04B024-38, C04B024-22, C04B024-32; C04B103-40
                       C04B0028-02 [ICM,6]; C04B0024-04 [ICS,6]; C04B0024-22
                IPCI
                        [ICS,6]; C04B0024-32 [ICS,6]; C04B0024-38 [ICS,6];
                        C04B0028-02 [ICI,6]; C04B0028-00 [ICI,6,C*];
                        C04B0014-06 [ICI,6]; C04B0014-02 [ICI,6,C*];
                        C04B0016-02 [ICI,6]; C04B0016-06 [ICI,6]; C04B0016-00
                        [ICI,6,C*]; C04B0024-38 [ICI,6]; C04B0024-22 [ICI,6];
                        C04B0024-32 [ICI,6]; C04B0024-00 [ICI,6,C*];
                        C04B0103-40 [ICI,6]
                        C04B0024-04 [I,A]; B28B0003-20 [I,C*]; B28B0003-20
                IPCR
                        [I,A]; C04B0024-00 [I,C*]; C04B0024-08 [I,A];
                        C04B0024-22 [I,A]; C04B0024-32 [I,A]; C04B0024-38
                        [I,A]; C04B0028-00 [I,C*]; C04B0028-02 [I,A];
                        C04B0103-40 [N,A]
                ECLA
                        C04B028/02
    Into cement-based compns. containing a dispersant
AΒ
    comprising aryl sulfonate (with or without alkyl substitution)-H2CO
    condensate, cellulose-based binder and water, a nonionic
    surfactant derived from higher fatty acids is added. Thus, a composition
    comprising cement 70, silica powder 30, pulp 4.5, polypropylene
    fiber 0.5, hydroxypropylmethylcellulose 1.0, \beta-naphthalenesulfonic
    acid-formalin condensate 0.3, polyoxyethylene monooleate 0.02, and water
    22 parts was extruded and autoclaved at 170° for 8 h to
    give a concrete having bending strength 310 kg/cm2.
    nonionic surfactant fatty acid cement
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